

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
9 June 2005 (09.06.2005)

PCT

(10) International Publication Number
WO 2005/051243 A2

- (51) International Patent Classification⁷: **A61F 2/44, A61B 17/16, A61F 2/46**
- (21) International Application Number: **PCT/GB2004/004523**
- (22) International Filing Date: 26 October 2004 (26.10.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0325421.6 30 October 2003 (30.10.2003) GB
- (71) Applicant and
(72) Inventor: **GILL, Steven, Streatfield [GB/GB]; North Bristol NHS Trust, Frenchay Hospital, Frenchay Park Road, Bristol BS16 1LE (GB).**
- (74) Agents: **TOMBLING, Adrian, George et al.; Withers & Rogers, Goldings House, 2 Hay's Lane, London SE1 2HW (GB).**
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



WO 2005/051243 A2

(54) Title: AN INTERVERTEBRAL PROSTHESIS

(57) Abstract: The present invention relates to an intervertebral prosthesis. In particular, the present invention relates to an articulating intervertebral disc prosthesis. In use, the intervertebral prosthesis is fixed to the end plates of vertebrae following the surgical excision of a degenerative or ruptured disc. The intervertebral prosthesis has substantially flat bone engaging surfaces with a macro-textured surface.